

SEQUENCE LISTING

<110> WOPPMANN, CLAUDIA
VORNLOCHER, HANS-PETER
HADWIGER, PHILIPP
JOHN, MATTHIAS

<120> DOUBLE-STRANDED RIBONUCLEIC ACID WITH INCREASED
EFFECTIVENESS IN AN ORGANISM

<130> APX-026.01

<140> 10/560,336
<141> 2005-12-09

<150> PCT/US04/018848
<151> 2004-06-14

<150> EP 03013296.3
<151> 2003-06-13

<150> 60/479,354
<151> 2003-06-18

<150> EP 04002374.9
<151> 2004-02-03

<160> 47

<170> PatentIn Ver. 3.3

<210> 1
<211> 22
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1
caggaccucg ccgcugcaga cc 22

<210> 2
<211> 24
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 2
ggucugcagc ggcgaggucc uggc 24

<210> 3
<211> 22
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 3
gccuuugugg aacuguacgg cc 22

<210> 4
<211> 24
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 4
ggccguacag uuccacaaag gcau 24

<210> 5
<211> 24
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 5
cuucuccgcc ucacaccgcu gcaa 24

<210> 6
<211> 22
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 6
gcagcggugu gaggcggaga ag 22

<210> 7
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 7
 ggcgacuucg ccgagauguc c 21

 <210> 8
 <211> 23
 <212> RNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 8
 ggacaucucg gcgaagucgc cgc 23

 <210> 9
 <211> 21
 <212> RNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 9
 accgggcauc uucuccuccc a 21

 <210> 10
 <211> 23
 <212> RNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 10
 ugggaggaga agaugcccgg ugc 23

 <210> 11
 <211> 21
 <212> RNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 11
 gaucacccuc cuaaaauuu u 21

<210> 12
 <211> 23
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 12
 aaauauuuuaa ggagggugau cgc 23

<210> 13
 <211> 21
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 13
 acggcuagcu gugaaagguc c 21

<210> 14
 <211> 23
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 14
 ggaccuuuca cagcuagccg uga 23

<210> 15
 <211> 21
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 15
 caaggagcag ggacaaguua c 21

<210> 16
 <211> 23
 <212> RNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 16

guaacuuguc ccugcuccuu gaa

23

<210> 17

<211> 23

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 17

cacguacgcg gaauacuucg aaa

23

<210> 18

<211> 21

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 18

ucgaaguauu ccgcguacgu g

21

<210> 19

<211> 21

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 19

ccgcuugacu gcagagagug c

21

<210> 20

<211> 21

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 20
acucucugca gucaagcggc u 21

<210> 21
<211> 22
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 21
caucuucuuc aaggacgacg gc 22

<210> 22
<211> 22
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 22
cgucguccuu gaagaaug gu 22

<210> 23
<211> 23
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 23
gguggcgcug gaugguaagc cgc 23

<210> 24
<211> 23
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 24
ggcuuaccu ccagcgccac cau 23

<210> 25
<211> 22
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 25
ucccaggag gccugcgga gc 22

<210> 26
<211> 22
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 26
uccgcaggc cuccuggga gg 22

<210> 27
<211> 22
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 27
ugcagcuucg aagccucaca ga 22

<210> 28
<211> 22
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 28
ugugaggcuu cgaagcugca gc 22

<210> 29
<211> 22
<212> RNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 29

uggggagaga guucugagga uu

22

<210> 30

<211> 22

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 30

uccucagaac ucucucccca gc

22

<210> 31

<211> 21

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 31

accuccgcaa caacuacgcg c

21

<210> 32

<211> 21

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 32

gcguaguugu ugcgaggua g

21

<210> 33

<211> 21

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 33

guagaccuug cuacugccug c

21

<210> 34
 <211> 21
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 34
 aggcaguagc aaggucuacc a 21

<210> 35
 <211> 21
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 35
 caugacggaa cuagagacag c 21

<210> 36
 <211> 21
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 36
 ugucucuagu uccgucaugg u 21

<210> 37
 <211> 21
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 37
 cucuacgcuu guacgaggag c 21

<210> 38
 <211> 21
 <212> RNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 38

uccucguaca agcguagaga c

21

<210> 39

<211> 21

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 39

cagacuucgg aguaccugcg c

21

<210> 40

<211> 21

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 40

gcagguacuc cgaagucugu u

21

<210> 41

<211> 22

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 41

caucuucuuc aaggacgacg gc

22

<210> 42

<211> 22

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 42
 cgucguccuu gaagaagaug gu 22

<210> 43
 <211> 23
 <212> DNA
 <213> Mus sp.

<400> 43
 aagctggccc tggacatgga gat 23

<210> 44
 <211> 21
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 44
 ucagacaccu cacuuauuau u 21

<210> 45
 <211> 23
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 45
 aaauaauaagu gaggugucug auu 23

<210> 46
 <211> 21
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 46
 gcagacaccu cacuuauuau u 21

<210> 47
 <211> 23
 <212> RNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 47

aaauaauaagu gaggugucug cgc